HD Home Theater To Go

POWERFUL PERFORMANCE

Intel® Core™ 2 Duo processors with Intel® Centrino® 2 processor technology – the latest chipset from Intel®.

The VAIO® AW notebook comes pre-installed with Genuine Microsoft® Windows Vista® Ultimate 64-bit or Home Premium 64-bit.

Tackle virtually any graphics requirement with a NVIDIA® GeForce® 9600M GT graphics card and 512MB of dedicated video RAM.

INSPIRED BY THEATER SCREENS. BORN OUT OF SONY® HD TECHNOLOGY.

An 18.4"[6] extra-widescreen display and stunning XBRITE-FullHD™ LCD technology delivers dazzling colors and stunning picture clarity in full 1080p high definition. Available Adobe® RGB color compatible display for accurate on-screen reproductions of digital photos.

A Blu-ray Disc™ optical drive lets you playback[4] HD Blu-ray Disc™ movies in crystal-clear resolution. Configure your AW to record[5] 25-50GB[2] of data to a single Blu-ray Disc™ media.

Immersing you in sound and bringing your HD Blu-ray Disc™ movies to life, the AW Series notebook includes Dolby Home Theater surround sound technology.

An HDMI® output provides single-cable full 1080HD connectivity (audio and video) to a compatible HDTV (cable sold separately)[16].

ENDLESS FEATURES

A built-in CompactFlash media slot lets you quickly and easily transfer files between your digital camera and PC via a CompactFlash card (sold separately).

Take your favorite programming wherever you take your AW notebook. With the NTSC / ATSC TV tuners, you can watch and record live TV including local and over-the-air HD channels.

Integrated Stereo A2DP Bluetooth® technology[15] allows you to wirelessly connect to useful peripherals and stream CD-quality audio to compatible devices.

Editing digital video and pictures is quick and easy with VAIO® Movie Story software. You choose the supplied template and professional-looking cutaways, cross-fades and soundtrack syncing are automatically done for you.

The VAIO® AW notebook is an HD multimedia powerhouse boasting an 18.4" extra-widescreen display[6] with XBRITE-FullHD™ LCD technology. Designed to maximize LCD space while minimizing chassis size, this user-friendly notebook packs a powerful punch with Blu-ray Disc™ technology[4], external NVIDIA® graphics and next-gen Intel® Centrino® 2 processor technology.

VGN-AW190 Configure-to-Order

VAIO® AW Series Notebook

Specifications

General

Computer Type: Notebook
Type of Use: Desktop Replacement
Action Buttons: S1, S2, Volume - / +, Mute, Play / Pause, Stop, Eject, WLAN / Bluetooth® on / off, A / V Mode
Pointing Device: Electro-Static touch pad
Security: Biometric Fingerprint Sensor

Hardware

Keyboard: QWERTY, 103 keys, 19.05 mm pitch, 2 mm stroke
Camera: Built-in 1.3 MP MOTION EYE® camera and microphone with face-tracking technology

Processor

Type: Intel® Core™ 2 Duo processor T9600 (Configuration 1), Intel® Core™ 2 Duo processor T9400 (Configuration 2), Intel® Core™ 2 Duo processor P8600 (Configuration 3) or Intel® Core™ 2 Duo processor T8400 (Configuration 4)
Speed: 2.80GHz[1] (Configuration 1), 2.53GHz[1] (Configuration 2), 2.40GHz[1] (Configuration 3) or 2.26GHz[1] (Configuration 4)
Front Side Bus Speed: 1066MHz
L2 Cache: 6MB (Configurations 1-2) or 3MB (Configurations 3-4)
Technology: Intel® Centrino® 2 processor technology

Memory

Type: DDR2
Installed: 8GB PC2-6400 (4GBx2), 4GB PC2-6400 (2GBx2), 3GB PC2-6400 (2GBx1 + 1GBx1) or 2GB PC2-6400 (1GBx2)
Maximum: 8GB
Speed: 800MHz

Hard Drive

Capacity: 1TB[2] (500GBx2) (Configuration 1), 640GB (320GBx2) (Configuration 2), 628GB (500GB + 64GBx2 Solid State Drive) (Configuration 3) (available on select models), 564GB (500GB + 64GB Solid State Drive) (Configuration 4) (available on select models), 500GB (250GBx2) (Configuration 5), 500GB[2] (Configuration 6), 320GB (Configuration 7) or 250GB (Configurartion 8)
Speed: 4200rpm (Configurations 1, 3-4, 6), 7200rpm (Configurations 2, 7) or 5400rpm (Configurations 5, 8)
Interface: Serial ATA
Technology: RAID 0 Technology (available only with glossy piano black model)

Optical Drive #1

DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 8x max.
DVD-R Write: 8x max.
DVD-RW Write: 6x max.
CD-R Write: 24x max.
CD-RW Write: 16x max.
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 4x max.
BD-R Read: 4x max.
BD-R Write: 4x max. (only with BD write drive)
BD-RE Write: 2x max. (only with BD write drive)
BD-ROM Read: 4x max.
BD-RE Read: 2x max.
BD-R DL Read: 2x max.
BD-R DL Write: 2x max. (only with BD write drive)
DVD-RAM Read: 5x max.
Blu-ray Disc™ Support: Yes[4] (read) (BD-ROM/DVD±RW/±R DL/RAM)/ Optional[4,5] (BD-R/-RE/-ROM/DVD±RW/±R DL/RAM)
BD-RE DL Read: 2x max.
BD-RE DL Write: 2x max. (only with BD write drive)

Expansion Slots

Multimedia Card Reader: Compact Flash media slot
One Memory Stick Duo™ media slot with MagicGate® functionality
One ExpressCard® /34 slot
One Secure Digital (SD™ memory card) media slot

Audio

Sound System: Intel® High Definition Audio with Dolby Digital Live
Speakers (Total): Built-in stereo speakers + 2W subwoofer

Display

Screen Size: 18.4"[6]
Resolution: 1920 x 1080
Technology: Adobe RGB Color Correction (only available on glossy piano black)
Back Light Technology: LED
XBRITE-FullHD™ Technology: Yes

Graphics

Processor: NVIDIA® GeForce® 9600M GT GPU
Total Available Graphics Memory of 1270MB[10] (with 2GB RAM), 1790MB (with 3GB RAM) or 2280MB (with 4GB RAM or higher)
Video RAM: 512MB dedicated video RAM
Chipset: Mobile Intel® PM45 Express Chipset
Interface: HDMI™ [16] and VGA out with Smart Display Sensor
TV Tuner: Yes - NTSC (Internal) / ATSC (External USB Adaptor)

Inputs and Outputs

HDMI™ Connection Output(s): 1
Modem Jack: 1
Microphone Input: 1
RF Connection Input(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[9]
Headphone Output(s): 1
S/PDIF Output(s): 1
Ethernet Connection (s): 1

Networking/Modem

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T
Ethernet Speed: Fast Ethernet (RJ-45)
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Intel® WiFi Link 5100AGN (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Stereo A2DP Bluetooth® Technology[15]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS13A/B or VGP-BPS13A/S) or Large Capacity Battery (VGP-BPL13)
Estimated Battery Life: 1.0-2.5 hours[14] Standard Capacity Battery
1.5-3.5 hours[14] Large Capacity Battery
Power Requirements: 150W + 10%
Input Voltage: 100-240V

Software

Operating System: Genuine Microsoft® Windows Vista® Ultimate 64-bit or Windows Vista® Home Premium 64-bit
Internet Services: AOL® 90-Day Risk Free Trial - For new users only
Anti-Virus and Recovery Software: Microsoft® Windows Live™ OneCare™ Trial Version
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007[13]
Adobe Photoshop Lightroom (pre-installed on glossy piano black model, optional on titanium gray model)
The VAIO® Software Experience: VAIO® Startup Assistant
Click to Disc Editor - Import, Edit, Burn
VAIO® Movie Story - Simple Movie Creation
VAIO® MusicBox - Music by Mood
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[12].
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 year limited warranty[11]. See actual warranty for details.

Environmental Information

RoHS®: Compliant
For more information: www.sony.com/vaioeco

Dimensions

Weight: 8.8 lbs[7] (with standard capacity battery)
Measurements: 17.2"(W) x 1.45 - 1.56"(H) x 11.4"(D)[7,8]

Supplied Accessories

Standard Capacity Lithium-ion Battery (VGP-BPS13A/B, VGP-BPS13A/S) or Large Capacity Battery (VGP-BPL13)
Remote Control (2 batteries) (RM-MCE30U)
Power Cord
AC Adapter

Color: Glossy Piano Black, Titanium Gray

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Certain circumstances may limit/prevent Blu-ray Disc™ media playback. For optimal performance, download all updates from http://esupport.sony.com/EN/DRIVERS.
5. Video recording to Blu-ray Disc™ media is done in MPEG2 and AVC formats only.
6. Viewable area measured diagonally.
7. Non-metric weights and measures are approximate and may vary.
8. Measured at the narrowest point
9. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
10. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory varies depending on the operating condition, driver software version and system memory size.
11. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.esupport.sony.com, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
12. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
13. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
14. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
15. Interoperability and compatibility among Bluetooth® devices varies.
16. Requires high definition-capable display with HDMI™ connector. Image quality will vary.

Computer Interface: For this product,there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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Printed 09/08.